

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1221341

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221341
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

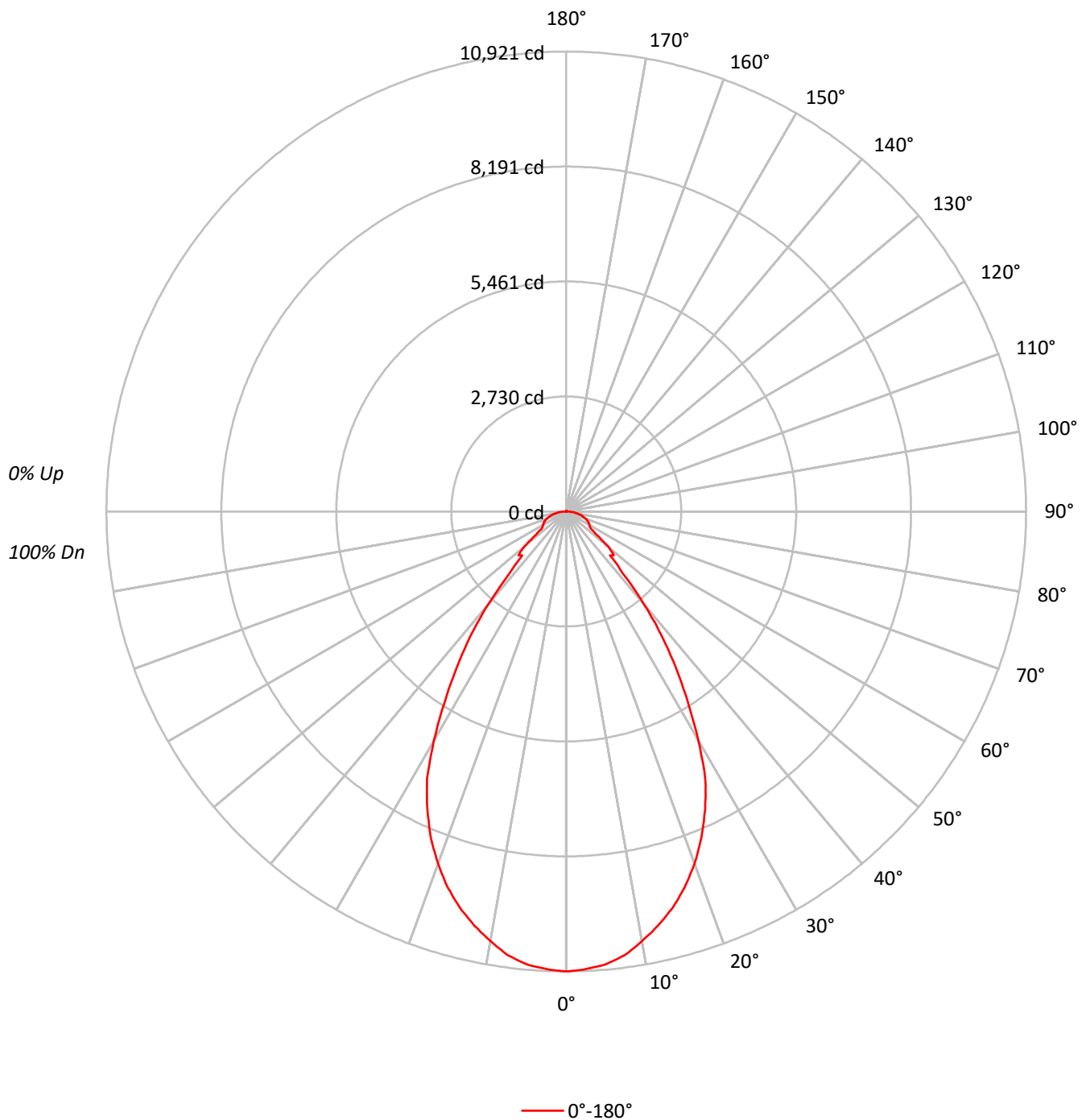
Lumens per Lamp: N/A
Luminaire Lumens: 13312.1 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1221341

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L16_Narrow_120V)

Luminous Intensity Polar Plot



CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L16_Narrow_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20				
RC	80					70					50					30					10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90							
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80							
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73							
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66							
5	86	76	69	64	84	75	69	64	73	68	63	72	66	63	70	65	62	60							
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55							
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51							
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	52	49	47							
9	68	57	51	46	67	57	50	46	56	50	46	55	49	46	54	49	45	44							
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59703
5°	56597
10°	52556
15°	48233
20°	43352
25°	37665
30°	30265
35°	22026
40°	14227
45°	7409
50°	6728
55°	3875
60°	3586
65°	3428
70°	3110
75°	2623
80°	1985
85°	1126

MAXIMUM LUMINANCE 45°-90°:

Luminance: 7852 cd/sqm

TEST NUMBER: P1221341

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L16_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1016.9	7.6
10°-20°	2729.6	20.5
20°-30°	3546.0	26.6
30°-40°	2823.5	21.2
40°-50°	1359.4	10.2
50°-60°	725.1	5.4
60°-70°	559.7	4.2
70°-80°	391.3	2.9
80°-90°	138.4	1.0
90°-100°	1.1	0.0
100°-110°	1.4	0.0
110°-120°	2.0	0.0
120°-130°	2.1	0.0
130°-140°	2.9	0.0
140°-150°	4.4	0.0
150°-160°	4.2	0.0
160°-170°	2.9	0.0
170°-180°	1.1	0.0
0°-30°	7292.6	54.8
0°-40°	10116.0	76.0
0°-60°	12200.5	91.6
0°-90°	13289.9	99.8
90°-120°	4.5	0.0
90°-150°	14.0	0.1
90°-180°	22.0	0.2
0°-180°	13312.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10921	
5°	10797	###
15°	9746	2730
25°	7805	3546
35°	4539	2823
45°	1472	1359
55°	718	725
65°	570	560
75°	373	391
85°	128	130
90°	1	9
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	7	4
155°	9	4
165°	10	3
175°	12	1
180°	12	

TEST NUMBER: P1221341

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L16_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	10921.0
2.5°	10879.4
5°	10797.1
7.5°	10628.6
10°	10362.6
12.5°	10074.3
15°	9746.4
17.5°	9357.5
20°	8905.7
22.5°	8393.0
25°	7805.2
27.5°	7154.4
30°	6278.3
32.5°	5382.8
35°	4539.2
37.5°	3733.1
40°	2890.4
42.5°	1989.9
45°	1472.1
47.5°	1538.1
50°	1296.5
52.5°	908.6
55°	717.8
57.5°	665.0
60°	632.5
62.5°	605.1
65°	569.6
67.5°	527.9
70°	481.2
72.5°	428.4
75°	372.6
77.5°	313.7
80°	254.8
82.5°	192.9
85°	127.9
87.5°	59.9
90°	1.0
92.5°	1.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	1.0
107.5°	2.0
110°	2.0

TEST NUMBER: P1221341

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L16_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.0
115°	2.0
117.5°	2.0
120°	2.0
122.5°	2.0
125°	2.0
127.5°	3.0
130°	3.0
132.5°	3.0
135°	4.1
137.5°	4.1
140°	5.1
142.5°	6.1
145°	7.1
147.5°	8.1
150°	9.1
152.5°	9.1
155°	9.1
157.5°	9.1
160°	9.1
162.5°	10.2
165°	10.2
167.5°	11.2
170°	11.2
172.5°	11.2
175°	12.2
177.5°	12.2
180°	12.2

TEST NUMBER: P1221341

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L16_Narrow_120V)

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.66	13.88	13.02	14.20	14.52	12.66	13.88	13.02	14.20	14.52
	3H	14.71	15.80	15.09	16.14	16.51	14.71	15.80	15.09	16.14	16.51
	4H	15.45	16.47	15.86	16.83	17.22	15.45	16.47	15.86	16.83	17.22
	6H	15.97	16.91	16.39	17.28	17.68	15.97	16.91	16.39	17.28	17.68
	8H	16.12	17.01	16.55	17.40	17.81	16.12	17.01	16.55	17.40	17.81
	12H	16.19	17.05	16.63	17.43	17.87	16.19	17.05	16.63	17.43	17.87
4H	2H	13.25	14.27	13.66	14.63	15.02	13.25	14.27	13.66	14.63	15.02
	3H	15.47	16.31	15.88	16.72	17.13	15.47	16.31	15.88	16.72	17.13
	4H	16.32	17.07	16.75	17.50	17.94	16.32	17.07	16.75	17.50	17.94
	6H	16.94	17.60	17.41	18.05	18.52	16.94	17.60	17.41	18.05	18.52
	8H	17.12	17.74	17.60	18.19	18.66	17.12	17.74	17.60	18.19	18.66
	12H	17.23	17.77	17.72	18.26	18.74	17.23	17.77	17.72	18.26	18.74
8H	4H	16.55	17.16	17.03	17.61	18.09	16.55	17.16	17.03	17.61	18.09
	6H	17.28	17.78	17.79	18.28	18.77	17.28	17.78	17.79	18.28	18.77
	8H	17.53	17.97	18.05	18.49	18.99	17.53	17.97	18.05	18.49	18.99
	12H	17.70	18.09	18.22	18.59	19.16	17.70	18.09	18.22	18.59	19.16
12H	4H	16.56	17.10	17.05	17.58	18.06	16.56	17.10	17.05	17.58	18.06
	6H	17.31	17.75	17.83	18.27	18.77	17.31	17.75	17.83	18.27	18.77
	8H	17.60	17.99	18.12	18.49	19.07	17.60	17.99	18.12	18.49	19.07